

Converting Colors

XYZ(77.0563, 89.4477, 24.4892)

Have a look what the booklet for
XYZ(77.0563, 89.4477, 24.4892)
contains.

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Color

**XYZ(76.9651, 89.2579,
24.4813)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF861
RGB	255, 248, 97
RGB Percent	100%, 97%, 38%
CMY	0.0000, 0.0274, 0.6196
CMYK	0.00, 0.03, 0.62, 0.00
HSL	57°, 100%, 69%
HSV	57°, 62%, 100%
XYZ	76.9651, 89.2579, 24.4813
YIQ	232.8790, 52.6430, -45.4770

Conversions

Conversions Part 2

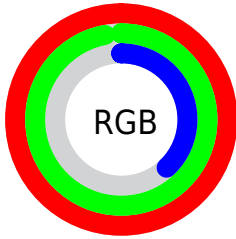
Format	Color
R_{YB}	104, 255, 97
Decimal	16775265
CIE _{Lab}	95.69, -15.38, 70.95
CIE _{LCh}	96, 72.597, 102.228
Yxy	89.2579, 0.4036, 0.4680
Android (android.graphics.Color)	4294965345 (0xFFFFFFFF861)
YUV	232.8790, -66.9883, 19.4001
Hunter-Lab	94.4764, -19.9189, 50.7699

Details

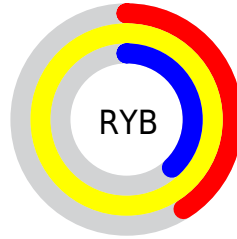
The XYZ color **76.9651, 89.2579, 24.4813** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **27.9302, 19.6617, 96.9303**, and the grayscale version is **77.8237, 81.8766, 89.1636**.

A 20% lighter version of the original color is **82.7498, 95.0799, 44.1279**, and **41.6738, 49.4288, 9.0133** is the 20% darker color. If you saturate the color by 10%, you get **75.6169, 88.1684, 19.0793**, and if you desaturate by 10%, it is **78.7016, 90.5127, 31.8994**.

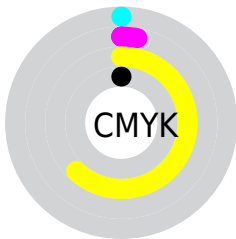
Distribution



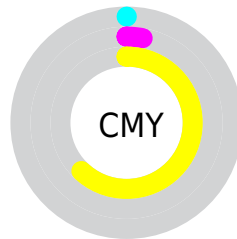
- Red (100%)
- Green (97%)
- Blue (38%)



- Red (41%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (3%)
- Yellow (62%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.9651, 89.2579, 24.4813 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.9651, 89.2579, 24.4813 by changing the saturation by 10% instead.


 76.9651, 89.2579,
24.4813


 76.9651, 89.2579,
24.4813


473.5388,
525.6139, 288.6094

 57.5241, 67.3653,
15.4755


 128.0633,
146.3072, 51.7681


 41.6679, 49.3816,
9.0035


 160.4512,
182.2326, 70.8863

 29.0313, 34.9223,
4.6466

 197.8854,
223.6045, 94.2123

 19.2489, 23.6030,
1.9864

 240.7313,
270.8072, 122.1647

 11.9553, 15.0394,
0.5469

289.3542,
324.2251, 155.1621

 6.7853, 8.8470,
0.0000

344.1196,

 3.3733, 4.6415,

384.2425, 193.6230

0.0000

405.3926,
451.2440, 237.9659

■ 1.3541, 2.0385,
0.0000

■ 0.2232, 0.6297,
0.0000

■ 76.9651, 89.2579,
24.4813

■ 76.9651, 89.2579,
24.4813

■ 75.6169, 88.1684,
19.0793

■ 78.7016, 90.5127,
31.8994

■ 74.6127, 87.2165,
15.4872

■ 80.8532, 91.9336,
41.5024

■ 73.9085, 86.3880,
13.4648

■ 83.4515, 93.5365,
53.4476

■ 73.5044, 85.7890,
12.6848

■ 86.5234, 95.3322,
67.8763

■ 90.0936, 97.3307,
84.9185

■ 94.1851, 99.5410,
104.6954

■ 95.0498, 99.9999,
108.9000

Harmonies

Analogous

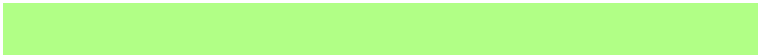
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.0996, 89.2579, 25.5955



76.9651, 89.2579, 24.4813



61.5684, 89.2579, 36.4015

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9651, 89.2579, 24.4813



59.4724, 89.2579, 191.3585



126.8853, 89.2579, 134.7469

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.9651, 89.2579, 24.4813



27.9302, 19.6617, 96.9303

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.3340, 89.2579, 203.4152



76.9651, 89.2579, 24.4813



73.6528, 89.2579, 243.9344

Square

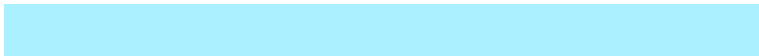
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9651, 89.2579, 24.4813



52.5839, 89.2579, 122.3750



93.2281, 89.2579, 249.0528



128.1463, 89.2579, 75.7160

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9651, 89.2579, 24.4813



55.2075, 89.2579, 54.4394



93.2281, 89.2579, 249.0528



123.5286, 89.2579, 157.9285

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



76.9672, 89.2621, 24.4831



87.5273, 95.9025, 72.6413



48.0598, 30.8281, 16.7563



18.5267, 20.4091, 14.5615



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9672, 89.2621, 24.4831



75.3856, 87.9636, 18.2062



57.6614, 82.5610, 24.2072



19.4883, 20.9447, 19.1599



38.4381, 44.8874, 6.6382



3.7631, 4.4115, 0.6532

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.9302, 19.6617, 96.9303



22.8095, 13.3737, 95.9869



38.4953, 24.1063, 97.2313



17.0675, 17.5066, 22.7295



9.5234, 3.9564, 49.6963



0.9489, 0.4286, 4.8460

Previews

White Background



This preview shows how the XYZ color 76.9651, 89.2579, 24.4813 looks on a white background.

Color Contrast Check

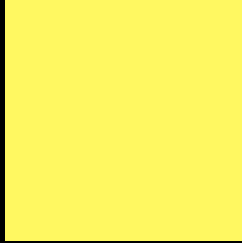
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 76.9651, 89.2579, 24.4813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

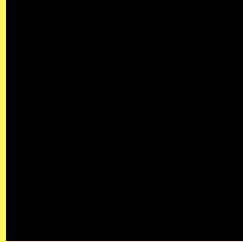
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9651, 89.2579, 24.4813

Background



This preview shows how black text looks on a background with the XYZ color 76.9651, 89.2579, 24.4813.

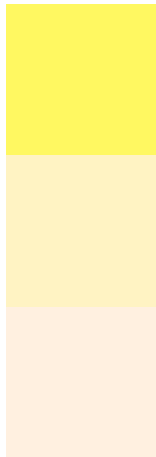


This preview shows how white text looks on a background with the XYZ color 76.9651, 89.2579,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.9651, 89.2579, 24.4813

Protanopia

83.1409, 89.3013, 64.4846

Deuteranopia

85.8546, 88.9620, 83.1674



Tritanopia

88.4491, 89.0629, 99.7179

Trichromacy



Original Color

76.9651, 89.2579, 24.4813



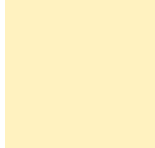
Protanomaly

80.1504, 89.0680, 45.7684



Deuteranomaly

81.3265, 88.5755, 54.9299



Tritanomaly

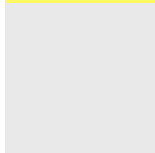
82.5066, 88.5700, 62.6163

Monochromacy



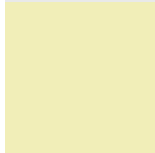
Original Color

76.9651, 89.2579, 24.4813



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.5019, 83.3105, 57.4486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9651, 89.2579, 24.4813 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 248, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 97)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 248, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 97) }
```

Border

The CSS property to change the border of an element to XYZ 76.9651, 89.2579, 24.4813 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 248, 97) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 248, 97) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 248, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9651, 89.2579, 24.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 97) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
248, 97) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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